

## Response to the Editor for the manuscript

### CMIP6 simulations with the compact Earth system model OSCAR v3.1

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Thank you again to the Editor for the recommendations. The manuscript has been modified as follows:

1. I only realize now that neither the code nor the data is properly archived and therefore does not comply with the GMD code and data policy ([https://www.geoscientific-model-development.net/policies/code\\_and\\_data\\_policy.html#item3](https://www.geoscientific-model-development.net/policies/code_and_data_policy.html#item3)). This can be remedied, e.g. by using Zenodo / Zenodo's github integration.

In the section “Code and Data Availability”, we have added the tag of the code on GitHub, as frozen versions for all users. We thus added the tag for the code of OSCAR and for the code used for all other operations.

We also added to the GitHub the parameters, masks and weights used.

Besides, we have replaced the URL for the availability of the data by a proper reference with its DOI.

2. There are several instances of "Error! Reference source not found". Please fix.

All of them have been fixed, thank you for pointing them out. Additional fixes on cross-references of figures have been performed.